

1 1. A display comprising:
2 a circuit board;
3 a display panel electrically coupled to said
4 circuit board in face-to-face abutment substantially along
5 a plane; and
6 an electrical connection including a first
7 contact on said circuit board, a second contact on said
8 display panel, and a conductor coupling said first and
9 second contacts and extending generally along said plane.

1 2. The display of claim 1 wherein said electrical
2 connection is a surface mount connection including solder
3 balls.

1 3. The display of claim 2 wherein said solder balls
2 couple to the contact pads on one of said display panels or
3 circuit boards.

1 4. The display of claim 3, said display panel
2 including column electrodes and said conductor including a
3 metallization coupled to said second contact on said
4 display panel and extending to a third contact which
5 contacts a column electrode.

1 5. The display of claim 4 wherein said column
2 electrode is formed at least in part of indium tin oxide.

1 6. The display of claim 5 including a plurality of
2 redundant third contacts to said column electrode.

1 7. The display of claim 6 including a plurality of
2 second contacts aligned in a column parallel to said column
3 electrode.

1 8. The display of claim 7, said display including
2 pixels, wherein an electrical connection is made from said
3 second contacts to said column electrode for every other
4 pixel along the length of said column electrode.

1 9. The display of claim 8, said display including an
2 edge, and including a zone, adjacent to said edge, free of
3 electrical connections.

1 10. The display of claim 1 including a row electrode
2 and a plurality of electrical connections from said second
3 contacts to the row electrode, said second contacts that
4 couple to said row electrode being arranged parallel to
5 said column electrode.

1 11. A method comprising:
2 forming an electrical contact pad on a display
3 panel;

4 forming row and column electrodes on said display
5 panel; and
6 electrically coupling a first contact pad to a
7 row electrode and electrically coupling a second contact
8 pad to a column electrode, said contact pads being aligned
9 in the space between two adjacent column electrodes,
10 extending generally parallel to the length of said column
11 electrodes.

1 12. The method of claim 11 including using
2 metallizations to electrically couple said pads to said row
3 electrodes and said column electrodes.

1 13. The method of claim 11 including providing
2 redundant electrical connections to said column electrodes.

1 14. The method of claim 11 including excluding
2 contact pads from a region proximate to the edge of said
3 display panel.

1 15. The method of claim 14 including providing
2 contacts to said column electrodes at every other pixel
3 along the length of said column electrodes.

1 16. The method of claim 15 including avoiding the
2 contacts to said column electrodes along the edge region of
3 the panel.

1 17. A display panel comprising:
2 a substrate;
3 row and column electrodes formed on said
4 substrate; and
5 a plurality of contacts formed between adjacent
6 row electrodes, a first set of said contacts electrically
7 coupled to said row electrodes and a second set of said
8 contacts electrically coupled to said column electrodes.

1 18. The display panel of claim 17 wherein said column
2 electrodes are formed of indium tin oxide and redundant
3 electrical connections are made along the length of said
4 column electrodes.